

APPROVED	S.E. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

JCS96-01Z

	INITIAL FMN BINDING REGION		
NCPR_HUMAN	ESSFVEKMKK	TGRNIIVFYG	115
NOSE_BOVIN	GTLMAKRV..	...KATILYA	556
NOSE_RAT	GQAMAKRV..	...KATILYA	789
NOSM_MOUSE	RKVMASRV..	...RATVLFA	567
FLAV_ECOLI	.....	..AITGIFFG	35
FLAV_DESVH	.....	..MPKALIVYG	38

	FLANKING LOOP		SECOND	FMN SITE	
NCPR_HUMAN	EEYDLADLSS	LPEIDNALVV	FCMATYGECD	PTDNAQDFYD	159
NOSE_BOVIN	.EYDVVSL..	...EHETLVL	VVTSTFGNGD	PPENGESFAA	599
NOSE_RAT	.EYDIVHL..	...EHEALVL	VVTSTFGNGD	PPENGEKFGC	831
NOSM_MOUSE	.QYKASTL..	...EEEQLLL	VVTSTFGNGD	CPSNGQTLKK	606
FLAV_ECOLI	AKSSKEDL..	...EAYDILL	LGIPWTWYGE	...AQCDWD	70
FLAV_DESVH	ASVEAGGLF	...EGFDLVL	LGCSTWGDDS	IE..LQDDFI	76

	LOCATION OF REGULATORY LOOP INSERT		
NCPR_HUMAN	.....	.....	169
NOSE_BOVIN	NSSPRPEQHK	SYKIRFNSVS	649
NOSE_RAT	NS..VQEERK	SYKVRFNSVS	879
NOSM_MOUSE	.....	.....	615
FLAV_ECOLI	.....	.....	82
FLAV_DESVH	.....	.....	88

	THIRD FMN SITE		FLANKING LOOP	
NCPR_HUMAN	AVFGLGNKT.	Y.EHFNAMGK	YVDKRLEQLG	201
NOSE_BOVIN	CVFGLGSRA.	Y.PHFCAFA.	AVDTRLEELG	680
NOSE_RAT	SVFGLGSRA.	Y.PHFCAFGH	AVDTLLEELG	911
NOSM_MOUSE	AVFGLGSSM.	Y.PQFCFAFH	DIDQKLSHLG	647
FLAV_ECOLI	ALFGCGDQED	YAEYFCDALG	TIRDIIEPRG	116
FLAV_DESVH	ACFGCGDSS.	Y.EYFCGAVD	AIEEKLKNLG	120

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